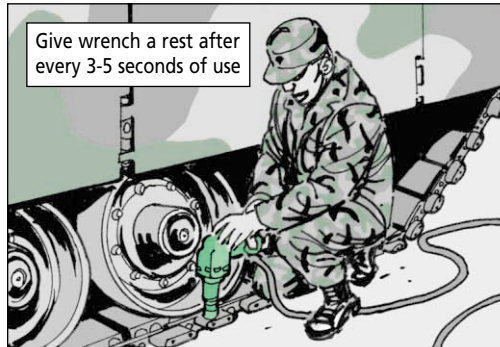


PM Makes



Operation

- The impact wrench is a powerful tool that generates a lot of heat, even during normal operations. The manufacturer recommends a duty cycle of three to five seconds on and five to 10 seconds off.



Run the wrench with no load for about 30 seconds after hard use. That will help get rid of excess heat.

- Always use the side handle to avoid covering the air vents with a hand or glove.
- Keep the wrench square with the fastener being removed or installed.
- Never let the wrench hang free from a fastener or use a pry bar to get it loose.

IF YOUR ELECTRIC IMPACT WRENCH, NSN 5130-01-363-0964, ISN'T IN GOOD SHAPE, TRACK MAINTENANCE WILL SUFFER, CREWMEN.

PROPER USE AND GOOD PM WILL ENSURE THE WRENCH IS READY NEXT TIME YOU NEED IT. HERE ARE A FEW THINGS TO REMEMBER...

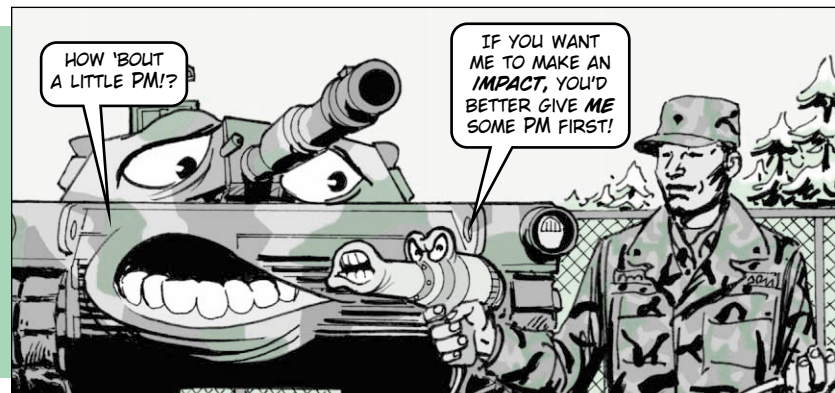


PS 603

2

FEB 03

an Impact



- If the wrench won't break the hardware loose within five seconds, **stop!** The wrench will burn up if you force it to loosen nuts and bolts that are too tight. Use an extension handle, socket, and socket wrench from the tank's basic issue items (BII) to break the hardware loose, then use the impact wrench to finish the job.
- When installing hardware, always thread it with your fingers first, then tighten with the impact wrench. Using the wrench to start nuts and bolts could cross-thread them and jam the hardware.

If the TM requires a specific torque for the hardware, use a torque wrench to finish tightening, not the impact wrench.

- Check the vents on the wrench's dust cover before operation. Clean away dust or other obstructions. Clogged vents will overheat the motor and burn it out, so keep the wrench out of dirt, sand and mud as much as possible.
- Always wear safety glasses and use the blue retainer rings when operating the impact wrench.



Repair

Call in your mechanic to repair an impact wrench that's damaged or not functioning properly. He'll follow the procedures in Appendix F of the -20-1-5 TMs.

The most common problems are worn brushes or a bad switch. The brushes can be fixed with the brush repair kit, NSN 5977-01-384-4862.

After installing a new brush kit, free run the wrench for 15 minutes in both directions. That seats the brushes and improves the electrical contact.

Replace a bad switch with NSN 5930-01-386-0531. Other repair parts are listed in Group 3100 of the -24P-1 TMs.